

O I P E J C  
APR 28 2004  
PATENT & TRADEMARK

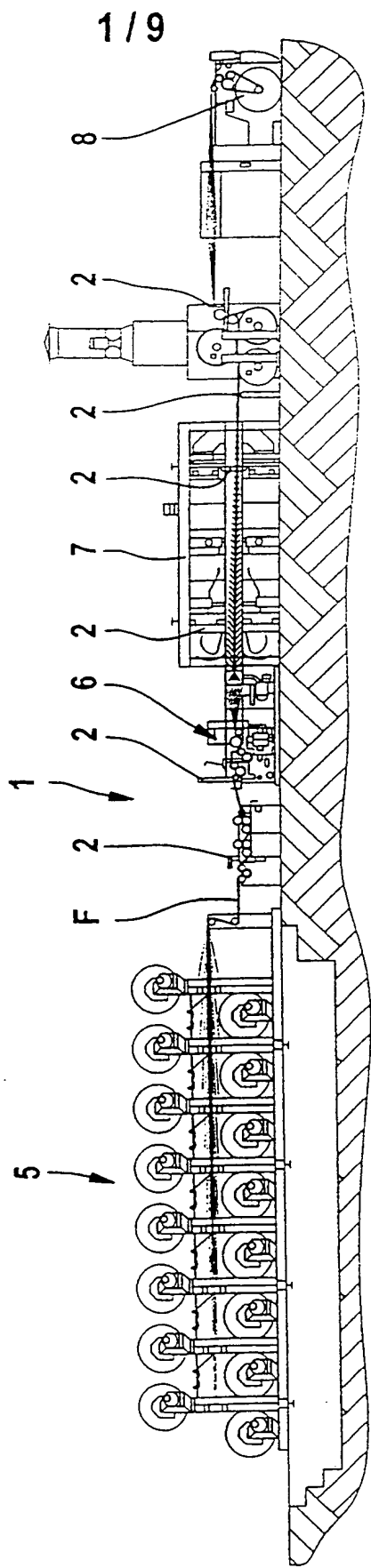
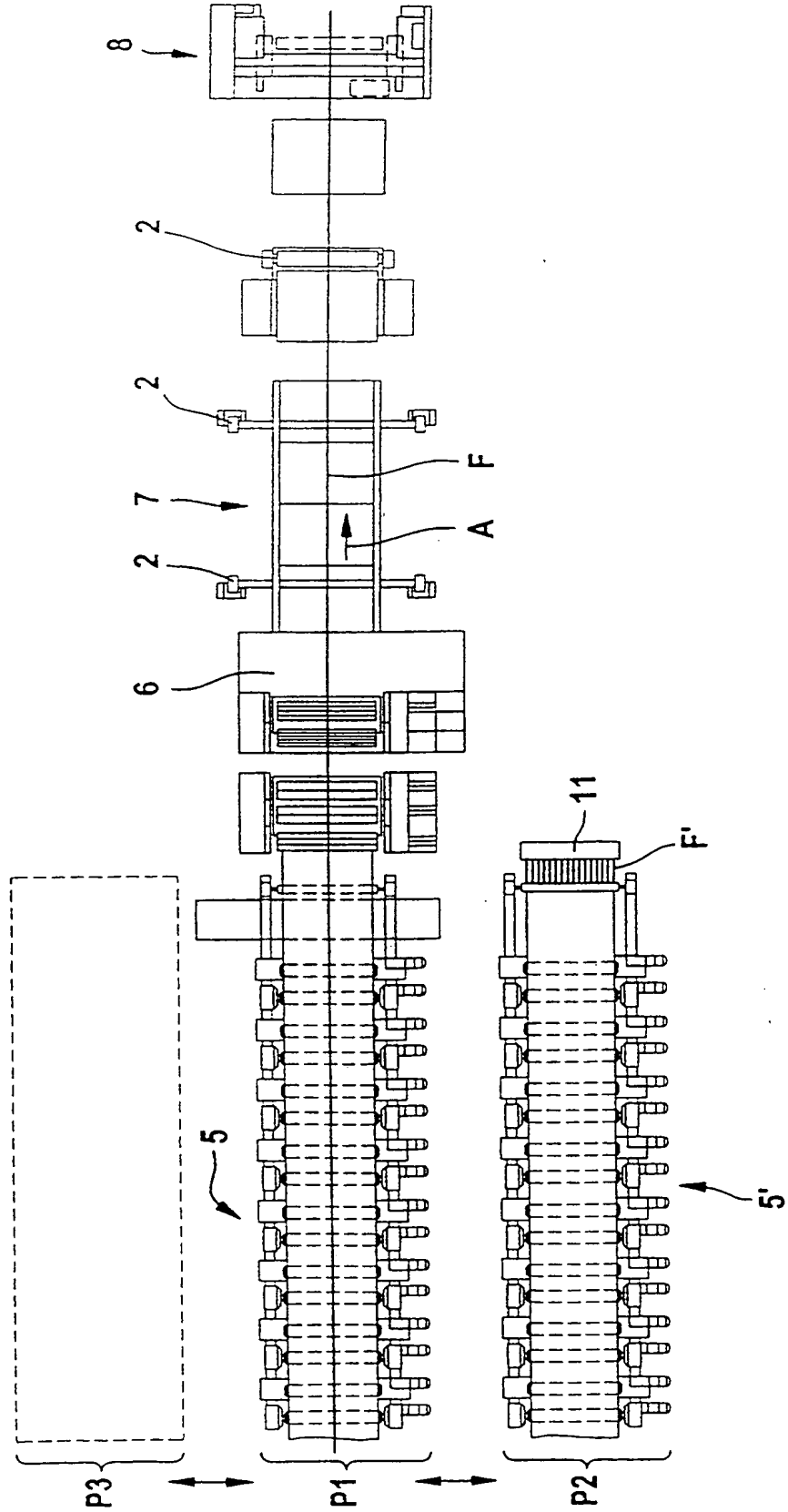


Fig. 1

Fig. 2



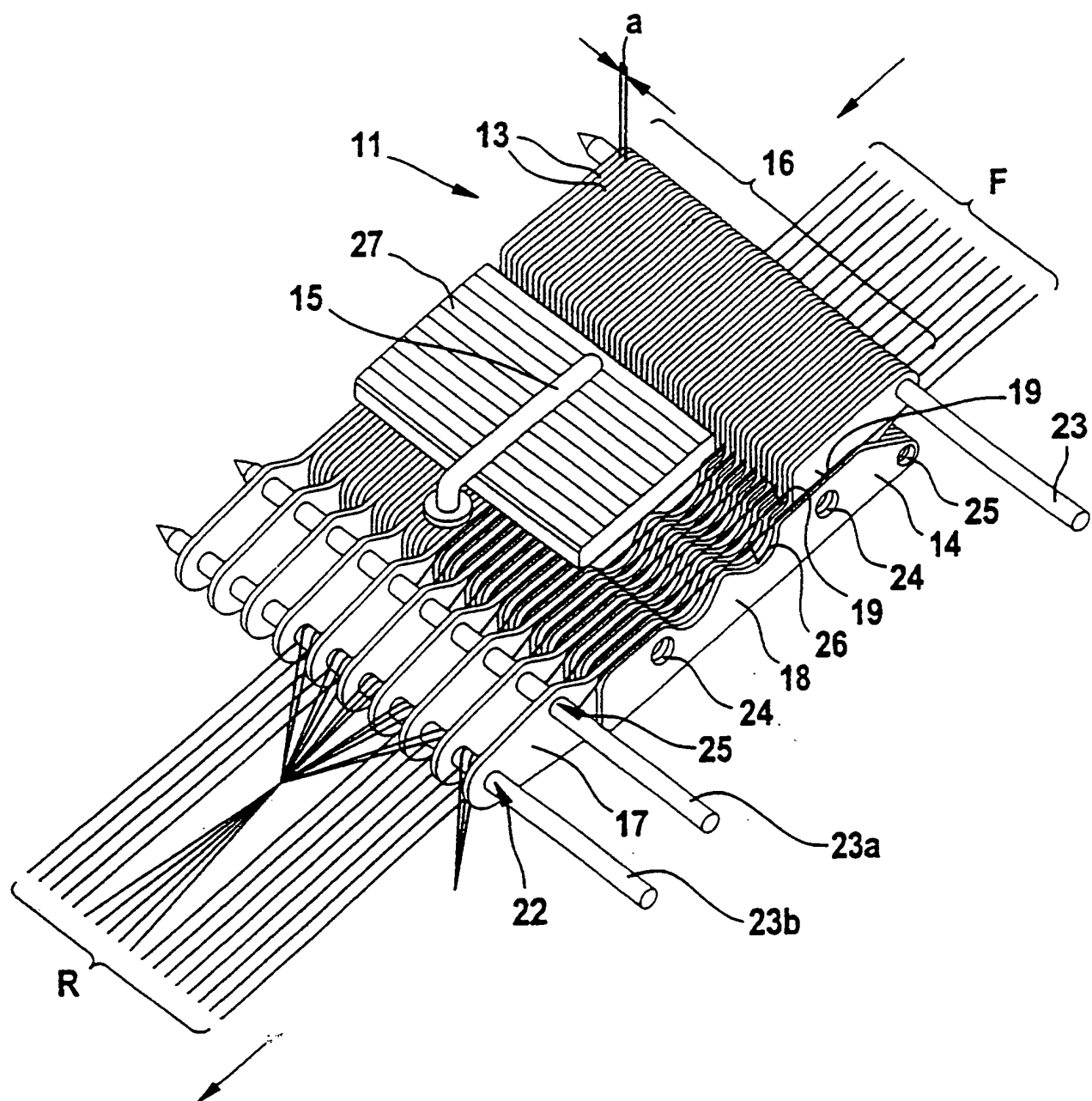


Fig. 4a

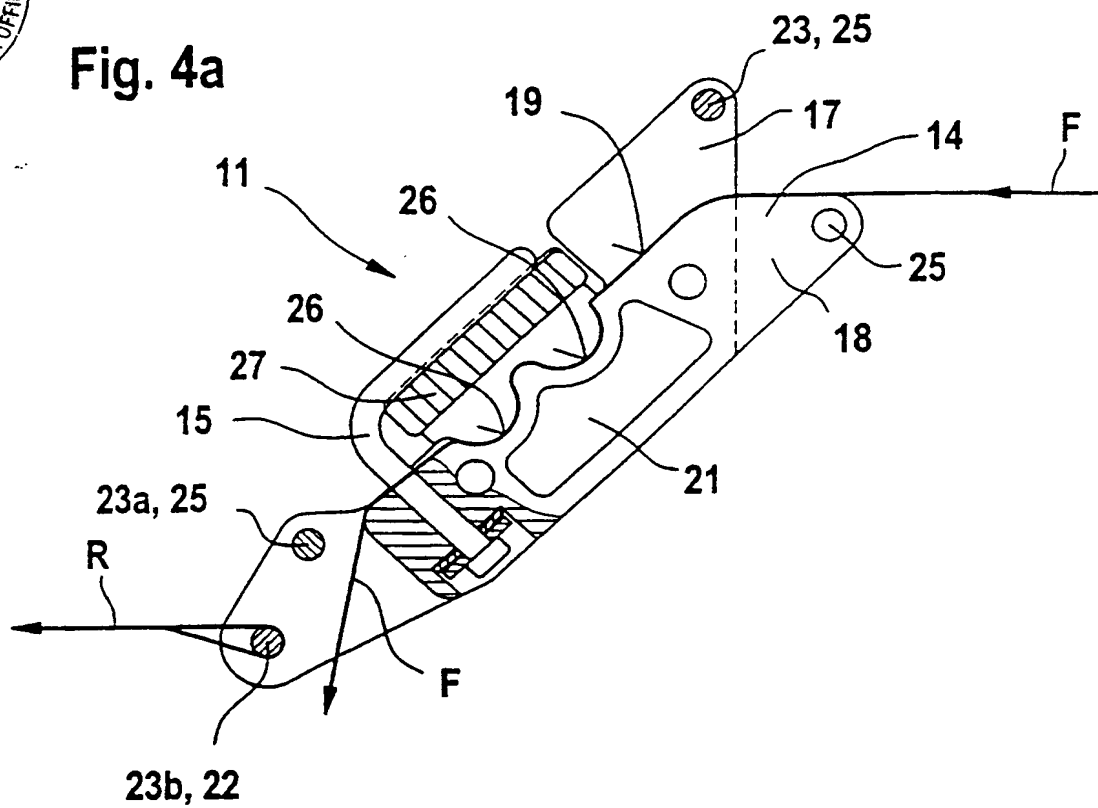


Fig. 4b

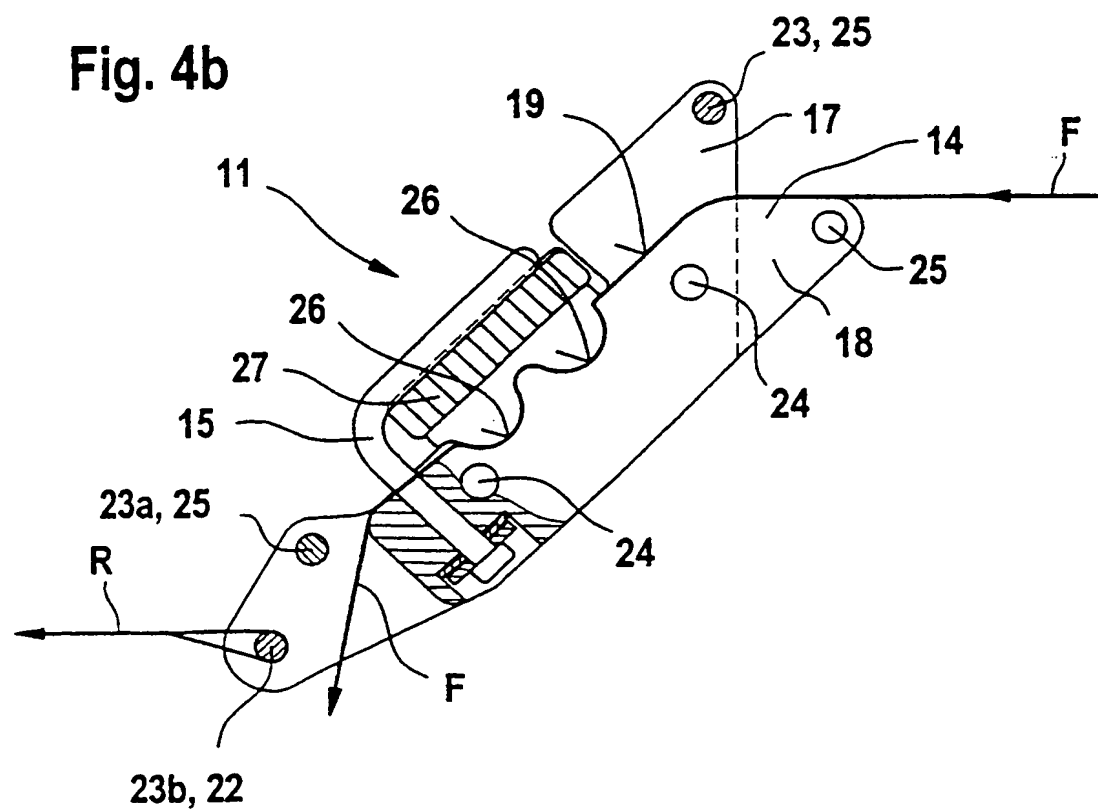
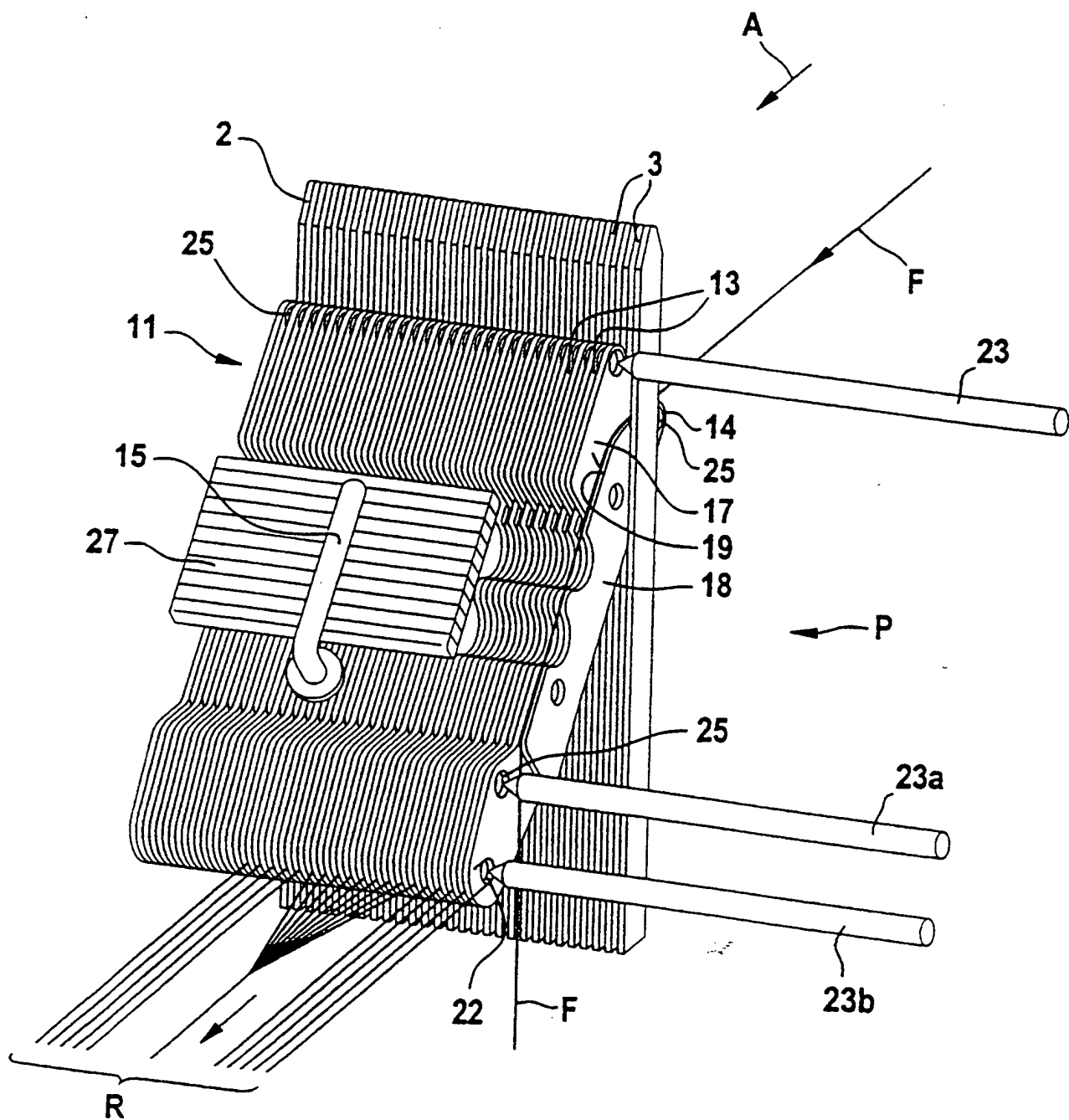


Fig. 5

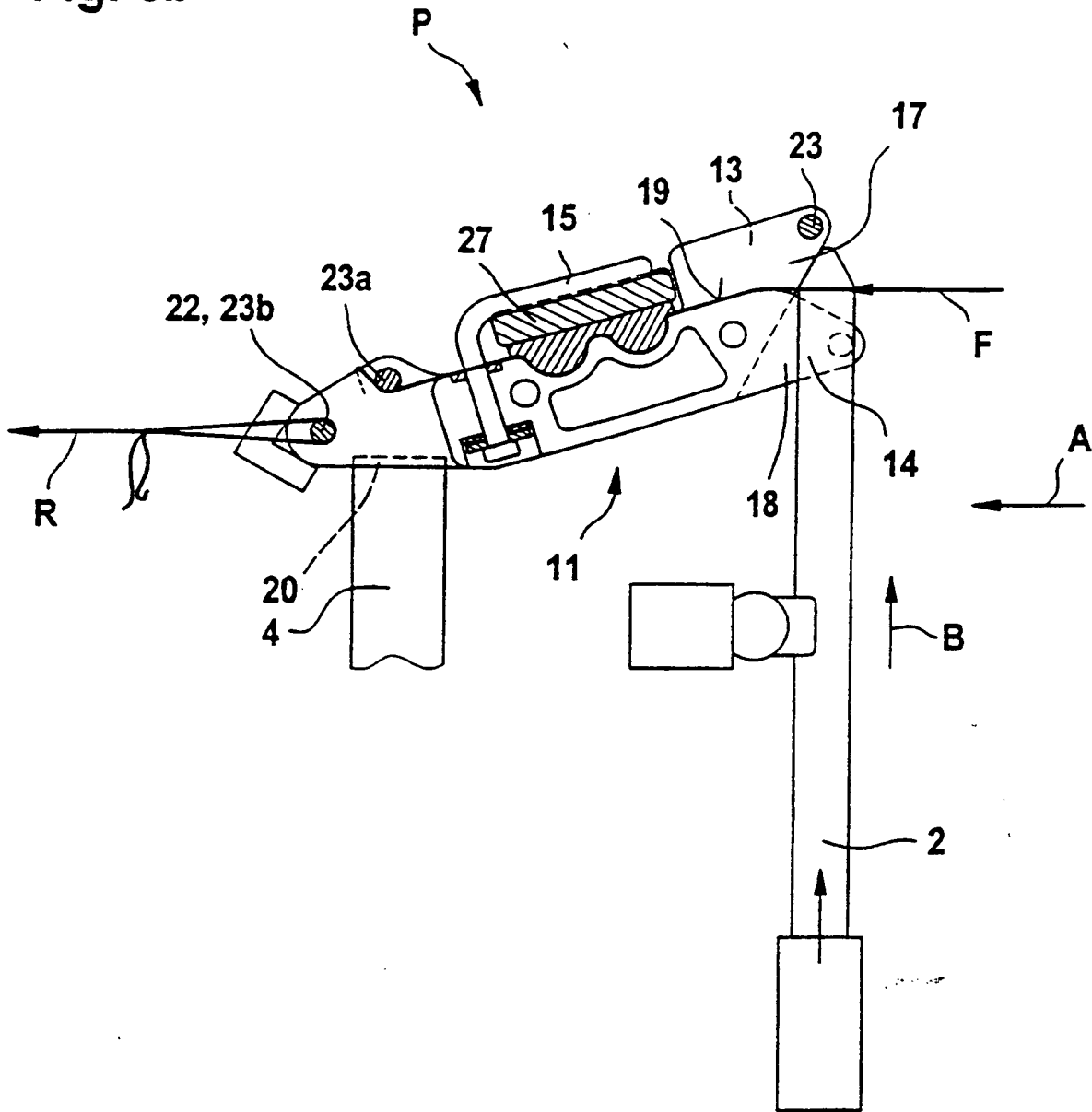


The diagram illustrates a mechanical assembly in cross-section. The main body (11) features a central cavity (15) containing a piston (27). A shaft (13) is positioned horizontally through the body, with a seal (23) at its right end. A lever (17) is connected to the shaft. A rod (2) is attached to the piston and extends downwards, passing through a guide (18) and a seal (14). A force  $F$  is applied to the lever, and a force  $W$  is applied to the rod. A force  $A$  is applied to the lever. The diagram is labeled with various numbers and letters: 11, 15, 19, 13, 23, 17, 27, 23a, 23b, 18, 14, 2, and  $F$ ,  $W$ ,  $A$ .



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Fig. 6b





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Fig. 6c

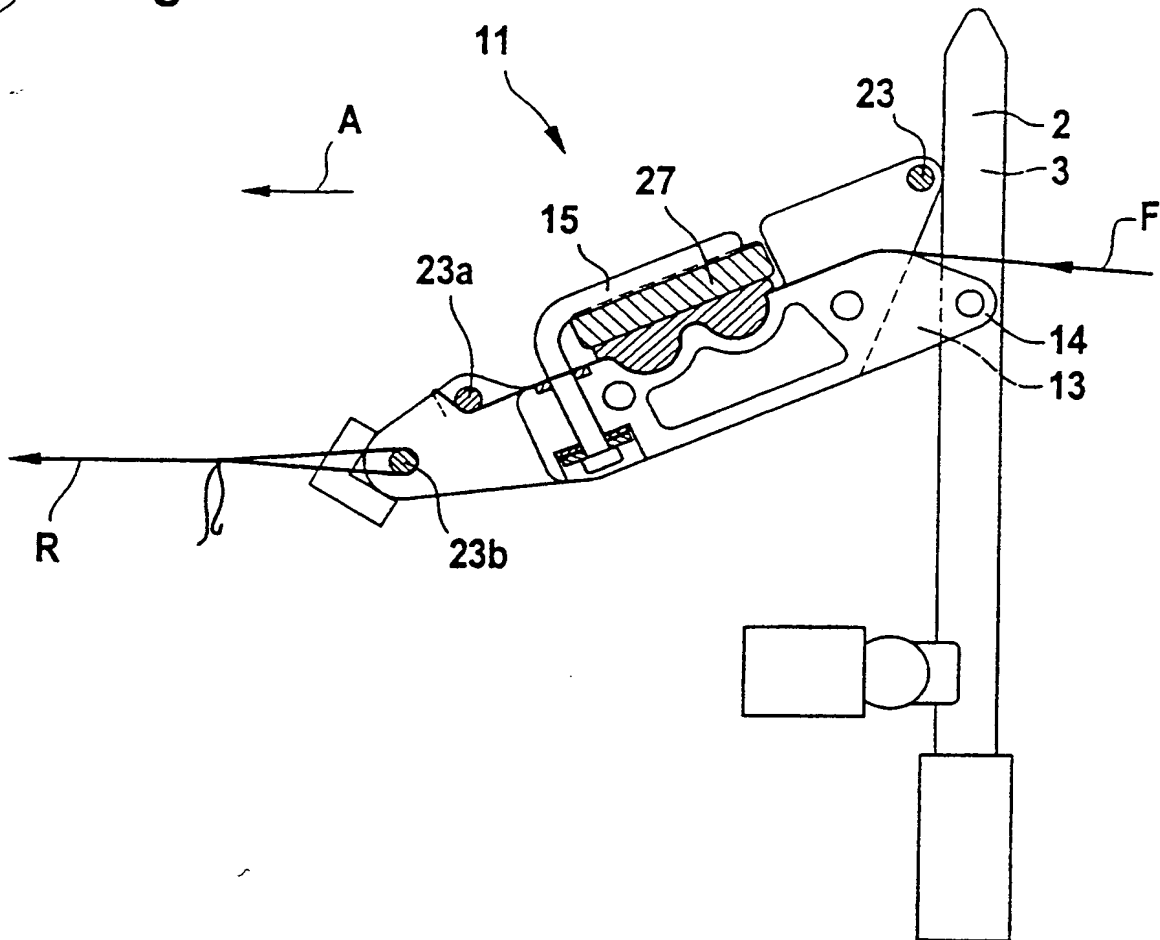
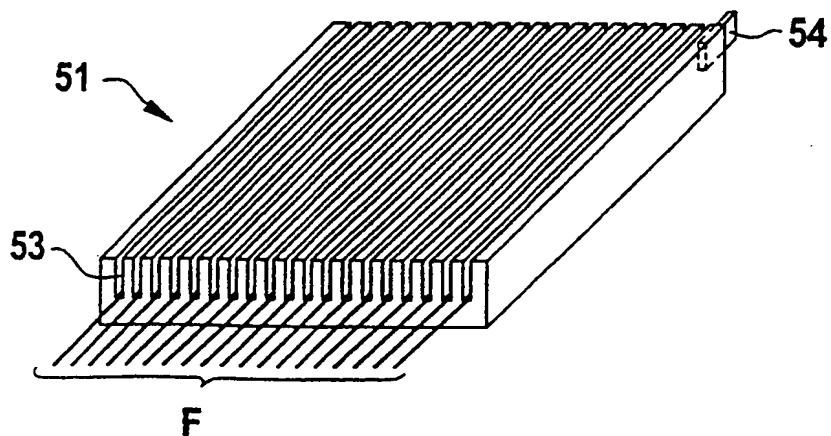


Fig. 7







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Fig. 8

